Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	464	382/171-172.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 09:07
L2	14	(((determin$5 or measur$6 or count$3 tally$3 or enumerat$4 or sum$6 or add$3 or calculat$3 or total$3) near2 (number$1 or quantit$3 or amount or total)) or (count$3 tally$3 enumerat$4)) near3 (ball$1 object$1 (solder near (bump$1 or mark$1)) bump$1 mark$1) and 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 09:08
S1	2	"20030156748".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:40
S2	1	2003-801853.NRAN.	DERWENT	OR	OFF	2004/12/01 12:08
S3	2	"6744933".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 12:28
S5	48	("5375832" "5835563" "4543571" "5333855" "5562285" "6219461" "6219461" "5926278" "6130959" "5490040" "6064757" "6150729" "5999647" "6064769" "6141443" "5602638" "5836834" "5551279" "5346210" "5446701" "5896463" "5982916" "6086487" "4325553" "4435905" "5042163" "5290037" "5401016" "5486002" "4509427" "4539753" "4868992" "5246232" "5401026" "5566934" "5567870" "5603165" "5658210" "5682230" "5861956" "5860648" "5935023" "5938545" "5987983" "6079278" "6110052" "6179720" "6186002" "6224613" "6224613").pn.	USPAT	OR	OFF	2004/12/02 09:17
S6	16	(count$3 near3 number with (object$1 or ball$1)) and (bga or ball$grid$array$1 or (ball near grid near array$1))	USPAT	OR	OFF	2004/12/02 09:19

| S7 | 137 | ("3816722" \| "3936800" \| "3967100" \| "3968475" \| "3978326" \| "4011403" \| "4115702" \| "4115762" \| "4183013" \| "4200861" \| "4254400" \| "4300164" \| "4385322" \| "4441124" \| "4441206" \| "4534813" \| "4541116" \| "4570180" \| "4577344" \| "4581762" \| "4606065" \| "4617619" \| "4630306" \| "4688088" \| "4706168" \| "4728195" \| "4730260" \| "4731858" \| "4736437" \| "4742551" \| "4764870" \| "4771469" \| "4783826" \| "4783828" \| "4783829" \| "4831580" \| "4860374" \| "4860375" \| "4876457" \| "4876728" \| "4903218" \| "4907169" \| "4914553" \| "4922543" \| "4926492" \| "4932065" \| "4953224" \| "4955062" \| "4959898" \| "4962423" \| "4972359" \| "4982438" \| "5012402" \| "5046190" \| "5054096" \| "5060276" \| "5063608" \| "5073958" \| "5081656" \| "5081689" \| "5086478" \| "5090576" \| "5091861" \| "5091968" \| "5093867" \| "5113565" \| "5115309" \| "5119435" \| "5124622" \| "5133022" \| "5134575" \| "5143436" \| "5145432" \| "5151951" \| "5153925" \| "5159281" \| "5159645" \| "5164994" \| "5168269" \| "5185855" \| "5189712" \| "5206820" \| "5216503" \| "5225940" \| "5230027" \| "5243607" \| "5253306" \| "5253308" \| "5265173" \| "5271068" \| "5287449" \| "5297256" \| "5299269" \| "5311598" \| "5315388" \| "5319457" \| "5327156" \| "5337267" \| "5363507" \| "5367439" \| "5367667" \| "5371690" \| "5388197" \| "5388252" \| "5398292" \| "5432525" \| "5440699" \| "5455870" \| "5455933" \| "5475766" \| "5477138" \| "5481712" \| "5485570" \| "5491780" \| "5495424" \| "5495537" \| "5519840" \| "5526050" \| "5532739" \| "5550763" \| "5559904" \| "5566877" \| "5568563" \| "5574668" \| "5574801").PN. OR ("5583949" \| "5583954" \| "5592562" \| "5594859" \| "5598345" \| "5602937" \| "5608872" \| "5621811" \| "5640199" \| "5640200" \| "5652658" \| "5761337").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/02 09:36 |

S8	4	("5978502").URPN.	USPAT	OR	OFF	2004/12/02 09:55
S9	926	(determin$5 or count$3 or sum$6 or add$3 or calculat$3 enumerat$3 tally$3 or total$3) near2 (number$1 or quantit$3 or amount or total) and (bga or ball$grid$array$1 or (ball near grid near array$1))	USPAT	OR	OFF	2004/12/02 10:15
S10	6	(determin$5 or count$3 or sum$6 or add$3 or calculat$3 enumerat$3 tally$3 or total$3) near2 (number$1 or quantit$3 or amount or total) and (bga or ball$grid$array$1 or (ball near grid near array$1)) and ((project$3 near space$1) or ((illuminat$4 or brightness or radiance or intensity) near2 profile$1))	USPAT	OR	OFF	2004/12/02 10:07
S11	61	(determin$5 or count$3 or sum$6 or add$3 or calculat$3 enumerat$3 tally$3 or total$3) near2 (number$1 or quantit$3 or amount or total) near2 (object$1 ball$1 bottle$1 solder$3 bump$1 thing$1) and ((project$3 near space$1) or ((illuminat$4 or brightness or radiance or intensity) near2 profile$1))	USPAT	OR	OFF	2004/12/02 10:14
S12	524	382/141.ccls.	USPAT	OR	OFF	2004/12/02 10:15
S15	690098	(determin$5 or measur$6 or count$3 or sum$6 or add$3 or calculat$3 enumerat$3 tally$3 or total$3) near2 (number$1 or quantit$3 or amount or total)	USPAT	OR	OFF	2004/12/03 09:19
S16	309	S12 and S15	USPAT	OR	OFF	2004/12/02 10:18
S17	11	("4319840" | "4340281" | "4557773" | "4845558" | "4975972" | "5181255" | "5212637" | "5331472" | "5433904" | "5463462" | "5621488").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 10:26
S18	4	("4688088" | "5490084" | "5513275" | "5946409").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 10:40
S19	2	("6137528").URPN.	USPAT	OR	OFF	2004/12/02 10:45
S20	58	(count$3 measur$6 or determin$6) near (number or quantit$3 or amount) near2 (cigarette$1)	USPAT	OR	OFF	2004/12/02 10:47
S21	6	("3625226").URPN.	USPAT	OR	OFF	2004/12/02 10:58
S22	29795	(method apparatus device) with (counting)	USPAT	OR	OFF	2004/12/02 15:07

S23	9494	(method apparatus device) near2 (counting)	USPAT	OR	OFF	2004/12/02 12:41
S24	18	(method apparatus device) near2 (counting) with (image near processing)	USPAT	OR	OFF	2004/12/02 12:46
S25	25	(method apparatus device) near2 (counting) with (image near processing)	US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/02 12:52
S26	20	"149685"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/02 12:52
S27	1	1985-050164.NRAN.	DERWENT	OR	OFF	2004/12/02 12:54
S28	1	2004-710460.NRAN.	DERWENT	OR	OFF	2004/12/02 12:56
S29	4	("4791481" | "5383135" | "5544256" | "5751834").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 13:20
S30	3	("5936665").URPN.	USPAT	OR	OFF	2004/12/02 14:10
S31	114	382/204.ccls.	USPAT	OR	OFF	2004/12/02 14:10
S32	4	("4688088" | "5490084" | "5513275" | "5946409").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 14:14
S33	40	("2791695" | "3214574" | "3315229" | "3353024" | "3408485" | "3461280").PN. OR ("3805028"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 14:45
S34	143	382/192.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 15:02
S35	267	382/192.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/02 14:45
S36	491	382/145.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 15:02
S37	491	382/145.ccls.	US-PGPUB; USPAT	OR	OFF	2004/12/02 15:02

S38	542	382/145.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/02 15:02
S39	33646	(determin$5 or measur$6 or count$3 or sum$6 or add$3 or calculat$3 enumerat$3 tally$3 or total$3) near2 (number$1 or quantit$3 or amount or total) near3 (solder$4 or ball$1 or block$1 or cell$1 or object$1 or mark$1)	USPAT	OR	OFF	2004/12/02 15:07
S40	4	S38 and S39	USPAT	OR	OFF	2004/12/02 15:06
S42	62089	(determin$5 or measur$6 or count$3 or sum$6 or add$3 or calculat$3 enumerat$3 tally$3 or total$3) near2 (number$1 or quantit$3 or amount or total) near3 (solder$4 or ball$1 or block$1 or cell$1 or object$1 or mark$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/02 15:19
S43	10	S38 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/02 15:39
S44	69	(number or quantity or amount or total) near2 (balls) near2 ((ball near grid near array) or bga)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/02 15:41
S45	22	("5446960" | "5465152" | "5550763" | "5574668" | "5574801" | "5621530" | "5652658" | "5656402" | "5682242" | "5694482" | "5713666" | "5796590").PN. OR ("6151406").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 16:10
S46	1	2003-650375.NRAN.	DERWENT	OR	OFF	2004/12/02 16:14
S47	29	("4980971" | "5060276" | "5113565" | "5226095" | "5268999" | "5343028" | "5371690" | "5471541" | "5495537" | "5497451" | "5500906" | "5545887" | "5550763" | "5602937" | "5621807" | "5625715" | "5627912" | "5627915" | "5642158" | "5663809" | "5828769" | "5850469" | "5974169" | "6026176" | "6151406" | "6154567" | "6173070" | "6324299").PN. OR ("6614926"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 16:44

S48	69	382/142.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/02 16:45
S49	19623	(((determin$5 or measur$6 or count$3 tally$3 or enumerat$4 or sum$6 or add$3 or calculat$3 or total$3) near2 (number$1 or quantit$3 or amount or total)) or (count$3 tally$3 enumerat$4)) near3 (ball$1 object$1 (solder near (bump$1 or mark$1)) bump$1 mark$1)	USPAT	OR	OFF	2004/12/03 09:23
S50	45296	(((determin$5 or measur$6 or count$3 tally$3 or enumerat$4 or sum$6 or add$3 or calculat$3 or total$3) near2 (number$1 or quantit$3 or amount or total)) or (count$3 tally$3 enumerat$4)) near3 (ball$1 object$1 (solder near (bump$1 or mark$1)) bump$1 mark$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 09:07
S51	91	382/146.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 09:27
S52	2	S50 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 09:27
S53	6	("4264202" | "4398256" | "4472056" | "4531230" | "4550432" | "4553843").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/03 10:13
S54	34	("4696047").URPN.	USPAT	OR	OFF	2004/12/03 10:33
S57	222	382/172.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 10:33
S58	8	S50 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 13:05

S59	4	((uniform or constant) distance$1) same (total near distance$1) same ((determin$5 or count$4) near (number quantity amount) with (object$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 13:11
S60	554	((determin$5 or count$4) near (number quantity amount) with (object$1)) with distance$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 15:56
S61	114	((determin$5 or count$4) near (number quantity amount) near2 (object$1)) with distance$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 13:18
S62	43	((determin$5 or count$4) near (number quantity amount) near2 (object$1)) near3 distance$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 13:54
S63	21	((determin$5 or count$4) near (number quantity amount) near2 (ball$1 mark$1 lead$1)) near3 distance$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 13:55
S64	7	("3805239" | "4675909" | "4907288" | "4959869" | "4975972" | "5018214" | "5075872").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/03 14:35
S65	45296	(((determin$5 or measur$6 or count$3 tally$3 or enumerat$4 or sum$6 or add$3 or calculat$3 or total$3) near2 (number$1 or quantit$3 or amount or total)) or (count$3 tally$3 enumerat$4)) near3 (ball$1 object$1 (solder near (bump$1 or mark$1)) bump$1 mark$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 15:04
S66	792	382/282,286.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 15:04

S67	35	S65 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 15:56
S68	1	((determin$5 or count$4) near (number quantity amount)) with (divid$4 near2 (total near distance$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 16:15
S69	999	histogram$1 with distance$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 16:16
S70	0	S59 and (382/168,170,172.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 16:17
S71	86	S69 and (382/168,170,172.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 16:36